



MICRONUTRIENTS

Specialists in plant health

BroadAcre® Range

ACIDplex™ technology micronutrients



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All products in the soluble powder **BroadAcre® Range** are specifically formulated using the unique ACIDplex technology for easy mixing, enhanced compatibility and efficiency of uptake.

The BroadAcre range was developed to generate a new range of cost- effective and easy to use micronutrients as an alternative to bulk Sulphates and IBC mixes.

The products are formulated with high levels of the unique Micromix ACIDplex system that will ensure fast and efficient coverage, adhesion and uptake of the micronutrient at competitive cost.

In addition, the formulation is able to reduce the pH and ‘condition’ the spraying water by removing unwanted ions that could interfere with either nutrient uptake or pesticide efficiency.



The products offer improved efficiency of uptake, and reliability in use over other low-cost alternatives.

How does ACIDplex work?

- Organic acids act to acidify, buffer and complex the soluble metals and this together with powerful ligno-complexing materials, adjuvants and water softener’s creates the unique ACIDplex formulation
- pH reduced to aid penetration, solubility and compatibility
- Technically superior performance to Basic products
- Improved compatibility over “Basic” products

Formulation benefits:

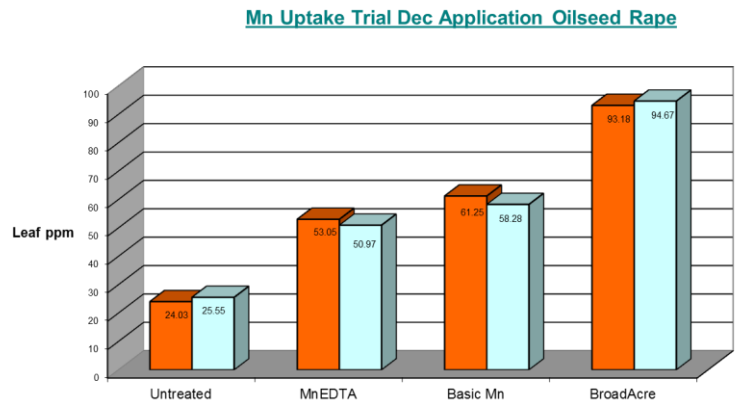
Added complexing agents:

- Excellent compatability
- Complexing agents act as wetting and spreading agents
- Reduces pH of spray water so maximising nutrient uptake
- Reduced pH maintains activity of tank-mixed pesticides
- Reduction in tank-mix scorch

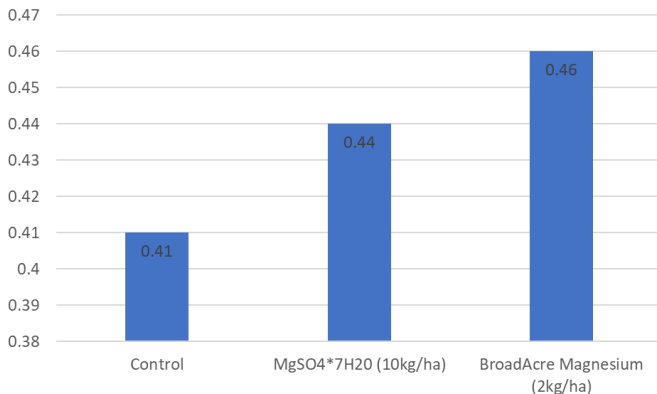
How effective is the BroadAcre Range?

1 UK farm trials on Manganese uptake (Mn)

In 2014 during UK farm trials on Manganese uptake, BroadAcre Manganese consistently out-performed the EDTA chelated Mn and Basic Mn competitors.



Mg content
(% plant of dry mass 12 days after application)



2 Consistent results in Magnesium uptake (Mg)

In Trials conducted by Poznan University, by Dr Thomas Kosiada - Department of Plant Pathology

BroadAcre Magnesium was found to be **3x-5x more effective** than Bittersalz

3 Improved Boron uptake (B)

Most liquid B formulations are usually Boric acid + Ethanolamine – “Boron ethanolamine complex”

- **And not well absorbed into the crop**

Soluber powder is disodium octaborate - very insoluble and alkaline giving **pH around 9.0 - 9.5**

BroadAcre Boron is disodium octaborate + Boric acid + ACIDplex™ technology which equals:

- Rapid solubility
- pH 5.5 - 6.0 in solution
- Quick uptake
- Ideal for tank-mixing



Typical analysis:

BroadAcre Product	Analysis w/w	Analysis g/kg	Rate in kg/ha	pH
BroadAcre Boron	B 19 %	190	1.5 – 3.5	3.5 – 4.0
BroadAcre CopperMan	Mn 25 % Cu 5 % SO ₃ 43.3 % equivalent S 17.4%	250 50 433 174	1.0 – 2.0	3.5 – 4.0
BroadAcre Magnesium Express	MgO 21.25 % Elemental Mg 12.5 % SO ₃ 40.62 % equivalent S 16.25 %	212 125 406 162	1.0 – 3.0	
BroadAcre Manganese	Mn 28.5 % SO ₃ 42.2 % equivalent S 17.0 %	285 422 170	1.0 – 2.0	3.5 – 4.0
BroadAcre Cereal Mix	N - 6.8 % MgO - 9.1 % B - 1.0 % Cu - 1.0 % Mn - 4.0 % Zn - 0.5 % Fe - 0.25 % SO ₃ - 44.5%	68 91 10 10 40 5 2.5 445	1.0 – 2.5	3.5 – 4.0
BroadAcre Maize & Potato Mix	NH4 3.0% P2O5 21.0 % K2O 8.0 % SO3 23.4 % Zn 10.0% MgO 3.2 % Mn 2.0 % Cu 1.0 % B 0.5 %	30 210 85 208 100 28 20 10 5	1.5 – 4.0	1.8 – 2.2
BroadAcre Pulse & Rape Mix	Mn 8.0 % Mg 4.0 % MgO 5.4 % Fe 0.25 % Zn 0.3 % B 4.0 % Mo 0.5 % S 10.26 % SO3 25.65 %	80 40 64 2.5 3.0 40 5 102.6 256.5	1.25 – 2.5	7.0 – 8.0
BroadAcre Superphos	N 10.0 % P2O5 50.0 % K2O 3.0 % Mn 1.0 % Zn 1.0 % Vitamins A, B1, C, E	100 500 30 10 10 50 ppm	1.0 – 4.0	3.0 – 3.5

